

VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

Date 04/16/10Contract ID 100122-203Job No. J2P0779BCounty RandolphRoute 24Original Bid Cost 569,194.23Contractor APAC-Missouri, Inc.By Casey CastropDesigned By MoDOTPhone 573-449-0886VECP # 10-45VECP ☒ or VECPP/PDU ☐

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

Plans call for shoulder mill & resurfacing from STA 401+70 to STA 715+13 except the concrete surface tie ins at the Rt. C ramps and at STA 412+50 to STA 417+50 on the north side of Rt. 24. There are 4 asphalt entrances that tie into Rt. 24: Road 2245, Athletic Complex, Rothwell Park Road, and North Road 1217. These entrances are shown on the summary sheet to be milled through and resurfaced. The plans omit rumble strips through the said entrances and APAC's proposal would eliminate a double joint in these entrances, thus eliminating any potential maintenance problems. Thus saving MoDOT \$2,071.43 and expediting the project and lessening the impact on the businesses and traveling public while there would be a 3.75" trench across the drives for short durations. Please see the attached cost factor sheet.

2. Estimate of reduction in construction costs. \$2,071.43

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

None anticipated

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

April 21, 2010

(date)

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

(date and/or dates)

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments:

Quantities were provided to mill and relay the shoulder through the limits of the asphalt entrances, if necessary. This is a judgment call to be made by the inspector and/or the Resident Engineer. If any of the entrances are deemed to have sufficient structure, this work will be eliminated at that location. This would be considered a routine under-run of quantities and not a savings. I recommend rejection of this proposal.

Jeff Gander

4/29/2010

Submitted By Resident Engineer

Date

Comments:

I concur with the RE comments.

Dennis Brucks

☐ Approval
Recommended

Dan Niec

4/29/2010

☒ Rejection
Recommended

District Engineer

Date

Comments:

JPD
5/5/2010

☐ Approval

David D. Gallas

5-5-10

☒ Rejection

State Construction and Materials Engineer

Date

Distribution: Resident Engineer, Project Manager, District Operations Engineer, State Construction and Materials Engineer
*Value Engineering Administrator - *MoDOT, P.O. Box 270, Jefferson City, MO 65102

Value Engineering Proposal. dot

Rt. 24 Randolph
J2P0779B
ID# 100122-203

VE #1 - No Milling and Resurfacing Asphalt Driveways.

Road #2245 125'
Athletic Complex 66'
Rothwell Park Road 134'
North Road #1217 78'
TOTAL 403'

Item 20 403' X 4' X 3.75" = 37.08 Tons @ \$51.13/Ton
Item 200 403' X 4' = 179.11 SY @ \$.98/SY

Savings \$1,895.90
Savings \$175.53

Total Savings \$2,071.43

Total Savings MoDOT

\$1,035.72

Total Savings APAC

\$1,035.72

ACTUAL SAVINGS
↓
30

75/25
56117

→ 1,553.52
→ 517.86

VALUE ENGINEERING CHECK SHEET

JPO
4/30/10

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's, ect.)
- ☐ TCP/MOT
- ☒ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

ELIMINATE MILLING + FILLING W/ ASPHALT OVERLAY
AT FOUR ENTRANCES WITH ADEQUATE EXISTING STRUCTURE.

VECP → 75/25 SAVINGS SHARE

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

